

Active Recombinant Rat IL7 protein

Cat. No. IL7-0299R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL7 protein(Q91Y32)(Asp26-Ile154) was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	26-154 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to bind IL7R alpha/CD127 Protein, Rat, Recombinant (His Tag) in functional ELISA.
Molecular Mass	The recombinant rat IL7 consists of 130 amino acids and has a predicted molecular mass of 15 kDa. The apparent molecular mass of the recombinant protein is approximately 17 kDa in SDS-PAGE under reducing conditions.
Proteinlength	Asp26-Ile154
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name IL7 interleukin 7 [*Rattus norvegicus*]

Official Symbol IL7

Synonyms IL7; interleukin 7; interleukin-7; IL-7;

Gene ID 25647

mRNA Refseq NM_013110

Protein Refseq NP_037242

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